

58-16 Assistina 301 Plus (Project 98-28) (7/99)

The W&H Assistina 301 Plus is a small, counter-top unit that automatically cleans the air/water spray channels and lubricates the moving parts of contra-angle handpieces, straight handpieces, turbines, airmotors, and air-driven dental scalars. It is manufactured by W&H Dentalwerk (Austria) and imported and distributed in the United States by Adec. A variety of coupling adapters makes it possible to clean and lubricate a range of different manufacturers' handpieces and motors. Depressing the program button for approximately two seconds activates the Assistina. Once activated, cleaning fluid is flushed through the air and water spray channels, then service oil is applied to the internal rotating parts, and finally, compressed air purges the air and water channels and internal parts of cleaning fluid and service oil, respectively. Since the handpiece is totally enclosed by the Assistina during operation, aerosolized oil and cleaning fluid is trapped by absorbent fleece pads and an exhaust filter. This minimizes the release of aerosols and messy lubricants into the work area. The Assistina operates on clean compressed air and does not require electricity. The external compressed air source must be between 60 and 145 psi. An internal pressure regulator reduces the compressed air to the proper pressure for optimum operation. The Assistina measures 8.8"H x 7.5"W x 16.3"D and weighs six pounds.



Manufacturer:

W&H Dentalwerk (Austria)
Adec, Inc.
2601 Crestview Drive
Newberg, OR 97132
(800) 547-1883
(503) 538-9471
(503) 537-2702 FAX

Suggested Retail Price:

Assistina 301 Plus: \$1820.00

Includes: Assistina 301 Plus, cleaning liquid, service oil, aerosol mist filter, 4-hole adapter, two funnels, air connection hose with screw connector and air filter, five layers of adsorbent fleece, and owner's manual including operating instructions.

Cleaning Fluid \$26.00

Service Oil \$73.00

Exhaust Filter \$57.00

Coupling Adapters \$78.00 to \$150.00

Government Price:

Assistina 301 Plus: \$940.52

Includes: Same as above.

Cleaning Fluid \$15.44

Service Oil \$43.36

Exhaust Filter \$33.86

Coupling Adapters \$46.33 to \$73.00

ADVANTAGES:

- + Durable, well-designed unit; no electrical power required.
- + One button operation automatically delivers correct amount of lubricant and cleaner.
- + Adaptors allow use with a range of different manufacturers' handpieces and attachments.

- + Handpiece is enclosed during lubrication to control the release of aerosolized lubricants.
- + Improved the operational life of Lares 557 highspeed handpieces.
- + Performed as well as the proprietary lubricant for Midwest Tradition highspeed handpieces.
- + Function indicators confirm the unit is operating correctly.
- + Site level glass tubes show oil and cleaning fluid levels.
- + Color-coded caps on replacement service oil and cleaner containers match the Assistina refill chambers to aid in correct refilling.
- + Routine maintenance is limited to periodic oil and cleaner replenishment and replacement of aerosol mist filter every 7000 uses.

DISADVANTAGES:

- Higher initial start-up expense compared to traditional aerosol can or dropper bottle lubricant delivery.
- Requires compressed air supply.
- Shortened the operational life of Kavo 642B highspeed handpieces.

SUMMARY AND CONCLUSIONS:

The Assistina 301 Plus is a well-designed, easy-to-use, automatic lubrication and cleaning unit. Simple one-button operation activates the unit to deliver the correct amount of cleaning fluid and service oil, then automatically purges the handpiece of excess cleaning fluid and lubricant. Adaptors are available to allow use of a range of different manufacturers' handpieces and attachments with the unit. Compared to the manufacturer's proprietary lubricants, the Assistina improved the longevity of the Lares 557 turbines, produced similar longevity with Midwest Tradition turbines, but reduced the longevity of Kavo 642B turbines. The Assistina 301 Plus was used daily in the DIS laboratories for over three years as part of several handpiece studies as well as this particular evaluation. During that time it functioned flawlessly without any mechanical failures. The **W&H Assistina 301 Plus** is rated **Acceptable** for use by the federal dental services.